Pamela Chaudhury, Ph.D.

Name   : Pamela Chaudhury

Designation   : Senior Assistant Professor

Department   : Department of Computer Science and Engineering

(JOINED THE INSTITUTE IN 2012)

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RESEARCH INTERESTS

- ✓ Machine Learning
- ✓ Data mining
- ✓ Pattern Recognitionon
- ✓ Natural Language Processing
- ✓ Big Data Mining
- ✓ Artificial Intelligence

Academic Qualifications

- ✓ Ph.D. (Computer Science Engineering, KIIT University, Bhubaneswar)
- ✓ M.E. (Computer Science & Engineering), Utkal University, Bhubaneswar.
- ✓ B.TECH (Information Technology), Uttar Pradesh Technical University, Lucknow.

Teaching Experience/Industrial Experience/Research Experience

- ✓ Teaching Experience: 15 years
- ✓ Industry Experience: 7months

JOURNAL

[1] **P. Chaudhury** & H. K. Tripathy, 'An Empirical Study on Attribute selection of Student Performance Prediction Model' in International Journal of learning Technology, (**Scopus**)vol.12, 3, pp.241-252, 2017. Inderscience,.

[2] **P. Chaudhury** & H.K. Tripathy, 'A study on smartphone addiction on academic performance', International Journal of Engineering & Technology, (**Scopus**) vol . 7, 2.6, pp. 50-53, 2018..

[3] **P. Chaudhury** & H.K. Tripathy, 'Optimisation of the RBFN model using TLBO and DE for academic performance determination on primary data', Indonesian Journal of electrical engineering and computer science, (**Scopus**) vol. 15, 1, pp. 435-442, 2019.

[4] **P. Chaudhury** & H. K. Tripathy, "A novel academic performance estimation model using two stage feature selection", Indonesian Journal of electrical engineering and computer science (**scopus**), vol19, 3, pp.1610-1619, 2020..

[5] **P. Chaudhury** & H. K. Tripathy, ' Speaker Identiification in Odiya using Mel Frequency Cepstral Coefficients and Vector Quantisation', International Journal of Advances in Computer Science and Technology, vol. 4,3, pp.137 -140, 2015.

[6] P Sahoo**, P. Chaudhury**, JR Mohanty, ' Improving effort estimation of software products by augmenting class point approach with regression analysis", Intelligent Decision Technologies 16 (2), 357-367, 2022.

[7] S Mishra, **P Chaudhury**, H. K. Tripathy, K. S. Sahoo, NZ Jhanjhi, A Hassan, A. Abdelmaboud, " **Enhancing health care through medical cognitive virtual agents**", Digital health, (**Scopus, SCI**), Vol 10, 2024.

[8] A. Behera, **P. Chaudhury**, Ch S. K.r Dash, " A comprehensive survey on intelligent software reliability prediction". Discover Computing, **(Scopus, SCI)**, Vol 28 (1), 2025.

C O N F E R E N C E S

[9] S Das, **P Chaudhury**, HK Tripathy, " Employing Machine Learning Techniques to Categorize users in a Fitness Application", International Conference on Advancements in Smart, Secure & Intelligent Computing, (ASSIC) pp.1-7, 2023.

[10] S Das, **P Chaudhury**, HK Tripathy, " Classification of Autism Spectrum Disorder using CNN & Transfer Learning", International Conference on Advancements in Smart, Secure and Intelligent Computing (ASSIC), pp 1-7, 2024.

[11] **P. Chaudhury ,** M. Rao and K. V. Kumar ' Symbol based Concatenation Approach for Text to Speech System for Hindi using Vowel Classification Technique 'in the proceedings of international conference NABIC,2009, pp . 1082-1087 .

[12] **P. Chaudhury** and K. V. Kumar, ' Vowel classification based approach for Telugu Text -to -Speech System using symbol concatenation ', in the proceedings of international conference [ACCTA-2010].

[13] **P. Chaudhury,** S. Mishra, H.K. Tripathy and B . K. Mishra , 'Enhancing the capabilities of Student Result Prediction System', in Proceedings of the Second International Conference on Information and Communication Technology for Competitive Strategies (ICTCS '16), pp. 1 -6, , (ACM Conference).

[14] S. Mishra, **P. Chaudhury**, H.K. Tripathy, B . K. Mishra , 'An implementation of Feature ranking using Machine learning techniques for Diabetes disease prediction' ICTCS 2016, Proceedings of the Second International Conference on Information and Communication Technology for Competitive Strategies.

[15] S Verma, R Kumar, P Pani, A Mohanty, **P Chaudhury**, "Real Time Identification of Students' Stress Factors using Machine Learning Techniques", 2024 International Conference on Intelligent Computing and Sustainable Innovations in Technology (IC-SIT).

[16] S Hota, **P Chaudhury**, S Kalia, AJ Prakash, SC Rai, "Personified Emotion Detection from Speech using Supervised Machine Learning", 2024 International Conference on Intelligent Computing and Sustainable Innovations in Technology (IC-SIT),pp 1-6.

RESEARCH GUIDANCE

Guided more than 10 students in their MTech Thesis
Supervisor of 02 PhD students under Silicon University

INVITED LECTURES /TALKS/SEMINARS

[1] Resource person in the three-day STTP (Short Term Training Program) on Artificial Intelligence organized by the Department of Information Technology, S.K.D.A.V Government Polytechnic, Rourkela, Odisha from 18 to 20 October 2023.

[2] Resource person in the five day faculty development program on "EMPOWERING EDUCATORS WITH AI AND ML: STRATEGIES AND APPLICATIONS", Organised by Department of CSE, KLH University Hyderabad in collaboration with IEEE KLHSB, from 8th July to 12th July 2024.

PATENT FILED

[1] P. Rao, P. Chaudhury, M. Rao, K.V.Kumar, S.Das, S. Rout, " Post Covid Heart health monitoring using machine learning techniques on smartwatch data. Application number 202331023008.